**Ecological Footprints: Comparing LEDC and MEDC Countries**

*3.8.2 Calculate from appropriate data the ecological footprints of a given population, stating the approximations and the assumptions involved.*

*3.8.3 Describe and explain the differences between the ecological footprints of two human populations, one from LEDC and one from MEDC*

Read through the Ecological Footprint portion of the Living Planet Report and answer the following questions

1. What is included and Excluded in a full Ecological Footprint calculation?

2. What is ecological overshoot?

3. What is biocapacity?

4. How do fossil fuels come into play when doing these calculations?

5. After reading the report, what are some approximations you think that have been made to perform the calculations?

6. What are the assumptions that have been made when performing the calculations?

7. Create a bar graph comparing the average ecological footprints of Africa, Middle East/Central Asia, Asia-Pacific, Latin America, North America, Europe (EU & Other Europe).

8. Describe your graph. Hypothesize reasons for any of the trends you can see.

9. Fill in the chart below comparing LEDC and MEDC countries

|  |  |  |
| --- | --- | --- |
|  | **MEDC** | **LEDC** |
| Disposable income |  |  |
| Waste production |  |  |
| Recycling & reuse |  |  |
| technology |  |  |
| Use of Resources |  |  |
| Diet |  |  |
| Environmental View Point |  |  |